

## GSE Forms Partnership with Haverhill Public Schools

**S**chool districts are grappling with a wide variety of issues from No Child Left Behind Act to finding qualified school administrators. It's no wonder some districts are looking for guidance and, in the case of Haverhill, have turned to the Graduate School of Education (GSE) to get it.

"A lot of things we've been asked to do is much different than what we've been doing" in other districts like Lowell and Lawrence, says Prof. Judy Davidson of GSE, one of the lead consultants for the district. The programs in Lowell and Lawrence focus specifically on coursework. Haverhill is a combination of coursework and facilitating communication across the district.

"Our partnership with Haverhill is another example of how the University is responding to the needs of local school districts and providing viable, collaborative solutions to the challenges of improving public educa-

tion," says Dean Donald Pierson, GSE.

Since recently taking the position, Gerry Qualtrale, director of curriculum and instruction for the district and a UMass Lowell alumnus, has been leading the charge in ramping up Haverhill teachers' professional development and originally approached Pierson for assistance.

"We want this to be a mutual relationship," says Qualtrale. He hopes Haverhill teachers will be able to give feedback on what the district is looking for in new teachers and where gaps might exist in the translation from pedagogical knowledge to classroom experience.

Davidson and colleague Prof. Patricia Anthony have been meeting monthly since August with nearly 60 administrators from all the Haverhill schools to help facilitate meetings, develop communication across the district and brainstorm problem areas.

One area that emerged as a challenge was special education—where

communication and consistency between schools is essential to providing good service. The result will be a booklet of policies and information on special education that will be available to the entire district's faculty.

Additionally, an office with classroom space has been made available to Davidson and Anthony. They have each offered one class on-site each semester. Teachers have also been taking classes online through the master's in educational administration program offered jointly by the Division of Continuing Studies, Corporate and Distance Education and the GSE. While the students are currently responsible for their own tuition, Qualtrale says he hopes in time the district will be able to provide incentives.

"Our mission at the University is to work regionally," says Davidson. "Now we're covering the three major cities in our region."

—EK

## New Project Seeks to Make Homes Healthy

**M**any families in Lowell rent older housing, built before the 1978 ban on lead paint. Besides lead, the houses may have high levels of mold and mildew, a problem compounded by poor ventilation. Electrical systems are often inadequate for the load placed on them by extended families sharing a living space.

In addition, families from different countries are using their homes in ways that are unfamiliar to inspectors from local agencies. What does one do about cooking grills used indoors, exotic bedding materials or strange methods of food storage? How does one communicate about the dangers of solvents used in a home business or the potential asthma triggers?

UMass Lowell's Center for Family, Work and Community (CFCW) is teaming up with the Lowell Health Department to begin a Healthy Homes Demonstration Project, funded by the U.S. Department of Housing and Urban Development. CFCW Co-Director Linda Silka is heading the project with Stephanie Chalupka, associate professor of nursing, David Turcotte, program manager at CFCW, and Frank Singleton, director of the Lowell Health Department.

"Many of Lowell's children face triple challenges," says Silka, "of coming from homes where English is not spoken, where the family is living in poverty, and where healthy housing cannot be assumed."

Although various organizations in the city already conduct home visits for one purpose or another, the individual organizations do not have a system for tracking physical problems in the home, making referrals to each other, or doing cross-training—coordination that could reduce the overall cost and burden of home

Continued on Page 4

## Creativity Rules in Creating FIRST Robot

**T**he FIRST (For Inspiration and Recognition of Science and Technology) Robotics Competition is a big deal. More than 20,000 students participate on 800 teams from across the nation and around the world. Large businesses donate the \$5,000 entry fee. Major corporations assign teams of engineers to design and build the robot in the six weeks allotted.

UMass Lowell, now in its third year of mentoring a high school team from Whitinsville Christian Academy, faces the competition with a large dose of creativity and dedication from students and staff.

Stephen Cote, mechanical engineer at the Submillimeter-Wave Technology Lab (STL), heads up the design and fabrication team, and also meets with the high school students in Whitinsville, where he lives.

This year, two undergraduate students working on the team took a creative twist of their own, successfully turning the effort into a senior capstone project in mechanical engineering, advised by Prof. Sammy Shina.

Brian Goodhue, who works at STL, and Ryan Jansen spent hundreds of hours each on the project. They did all the engineering, ordered parts, designed and machined the parts, and helped train the high school students.

Turning the project into a capstone made sense. Goodhue says, "It's an intense period of work and similar to a project you would get in industry. There's a problem to solve, certain resources you can use, and a deadline to meet."



▲ Staff and students at the Submillimeter-Wave Technology Lab (STL) designed and fabricated this robot to compete in the FIRST Robotics Competition, working with high school students from the Whitinsville Christian Academy.

Continued on Page 4

## INSIDE THIS ISSUE

- 3** Mogan Center Boosts City's Cultural Activity
- 4** International Scholars Share Research on 'Informal Sector'
- 5** Worker Photography Project Clicks with Participants, Community

- 7** Student Engineers Design the Right Stuff
- 9** With Her Husband Away, Sandra Debuc Deals with the Ants and the Furnace
- 11** McCabe's Students Share a Story with Homeless Children

## Take Note

### UMass Lowell Included in Boston Business Journal's Book of Lists

UMass Lowell received four mentions in the 2003 Boston Business Journal Book of Lists, a compilation of lists from the previous year's issues. The University was recognized in the lists of Largest Graduate Schools (#11), Largest Colleges and Universities (#10), Largest MBA Programs (#15) and Largest Computer/Software Trainers (#11). Among the list of computer and software trainers, UMass Lowell was one of only four colleges or universities included.

### Author to Discuss Heroic WWII Nurses in the Philippines

Dr. Elizabeth Norman, author of the acclaimed *We Band of Angels*, will describe the heroism of American military nurses in the Philippines during World War Two on April 24, from 5 to 9 p.m. at the Doubletree Hotel in Lowell. Using letters, diaries, and firsthand accounts, Norman recounts a compelling saga of women in war. She will appear in conjunction with the Department of Nursing Preceptor Appreciation/ Graduate Research Day.

In the fall of 1941, the Philippines was a gardenia-scented paradise for the American Army and Navy nurses stationed there. War was a distant rumor, life a routine of easy shifts and evenings of dinner and dancing under the stars. On December 8 all that changed, as Japanese bombs rained on American bases in Luzon, and the women's paradise became a fiery hell. Caught in the raging battle, the nurses set up field hospitals in the jungles of Bataan and the tunnels of Corregidor, where they saw the most devastating injuries of war, and suffered the terrors of shells and shrapnel. But the worst was yet to come. As Bataan and Corregidor fell, a few nurses escaped, but most were herded into internment camps enduring three years of fear and starvation.

Once liberated, they returned to an America that at first celebrated them, but later refused to honor their leaders with the medals they clearly deserved.

A \$35 per person registration fee, due April 3, includes a research poster session, dinner and the guest speaker's presentation. For more information and a registration form: Please call (978) 934-4431 or e-mail Jacqueline\_Dowling@uml.edu. The program is sponsored by the UMass Lowell Eta Omega Chapter of Sigma Theta Tau International Society for Nurses.

### Writer-in-Residence Reading Scheduled

Elizabeth Cox, the Kerouac Writer-in-Residence, will be reading from her latest work on Monday, April 14 at 3 p.m. in Coburn 205. Cox, the third Kerouac Writer-in-Residence and a Littleton resident, is the author of three novels and an experienced writing professor. Her books include, *Night Talk*, *The Ragged Way People Fall out of Love*, *Familiar Ground* and *Bargains in the Real World*.

### Volunteers Needed for North Campus Neighborhood Spring Cleanup

The University will team up with the Pawtucketville neighborhood organization, Department of Neighborhood Services, Lowell Plan, and other partners for the annual Spring Cleanup across the city on Saturday, May 3, from 9 a.m. to noon.

The city's Department of Public Works will provide brooms, rakes, shovels, gloves and bags for litter and debris. University volunteers will spruce up the streets bordering the North Campus including Riverside Street, University Avenue, and the sidewalk of the V.F.W. Highway. Faculty, staff, students, organizations, clubs, athletic teams and others who may have time to help out should contact Paul Marion, director of community relations, at ext. 3107 or Paul\_Marion@uml.edu.

## CSCDE, Engineering Awarded Training Contract by OFS Fitel

Working collaboratively with the Plastics and Engineering Technology departments, the Division of Continuing Studies, Corporate and Distance Education (CSCDE) was recently awarded a major training contract to deliver 156 hours of on-site training at OFS Fitel, an optics company in Sturbridge, Mass. The hands-on training program, which began late last year, includes modules in eight areas, including Introduction to Pumps and Compressors, Industrial Maintenance Practices and Couplings, and Motor and Mechanical Drive Components.

"The willingness of the faculty in both the Plastics Department and the Mechanical Engineering Department to customize programs for business and industry has been a major factor in helping us to develop strong corporate partnerships," says Dean Jacqueline Moloney, CSCDE.

Faculty for the program includes both full-time faculty from the Plastics Engineering and Engineering Technology departments and adjunct faculty members drawn from the

corporate sector. Prof. Robert Tuholski, engineering technology, and Prof. Nick Schott, plastics, helped develop the program and will be teaching several modules.

"Our satisfied customers continue to be a constant source of future business for the division. Modeled after the successful manufacturing training program delivered twice at Lucent Technologies in North Andover, this new education contract resulted as a referral from former Lucent training managers who were extremely pleased with our retention rates and high quality training," says Catherine Kendrick, director of corporate and distance market development.

The contract is already developing into a deeper relationship. Christine Sullivan, engineering training coordinator at OFS, has agreed to sit on the Engineering Technology Department's Advisory Board. Also, OFS is working with CSCDE to deliver additional training modules to their facility after this program is completed.

## Nypro Makes New Plastics Lab Possible

Nypro Chairman Gordon Lankton and his company have funded the renovation of a laboratory in Ball Hall to create the Nypro Precision Injection Molding Lab. When completed this spring, the lab will house over half million dollars' worth of equipment, including an all-electric Nova injection molding machine from NYPRO.

According to Prof. Robert Malloy, plastics engineering, NYPRO is also coordinating an effort to have machinery suppliers make other equipment donations to help fill the revamped space. Already, Sumitomo of Japan has contributed a precision micro-molding machine.

Six pieces of equipment will each represent different aspects of injection molding to expose graduate and undergraduate students to a wide range of processes.

"The lab gives students hands-on experience with sophisticated equipment that will give them an incredibly broad education in the field," says Malloy.

The NYPRO Lab is the department's fourth lab sponsored by a Massachusetts company. The other Massachusetts sponsored labs are the Moldflow Computer Aided Engineering Laboratory, the Battenfeld Gloucester Film Extrusion Laboratory and the Rocheleau Tool Blow Molding Laboratory.

"When we do a sponsorship, we like to think of it more as a partnership," says Malloy. In this case, the department is working with the NYPRO Institute and the Plastics Institute of America to set up a training program where key NYPRO employees utilize the lab for training on the high-end equipment.

## Art Students Have Designs on *Mass Music*



Senior Erik Bettencourt, graphic design, redesigned the masthead for the publication *Mass Music*. He and three other art students also designed the covers of four issues which were recently displayed in the Dugan Gallery. The project was part of "UMLtimate Design," a classroom program which accepts graphic design projects for external clients. Profs. Nick Tobin, music, and Karen Roehr, art, coordinated the *Mass Music* project.

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## CIC and CFWC Assist Lowell With 'Safe City' Planning

Staff from the centers for Industrial Competitiveness (CIC) and Family, Work and Community (CFWC) have organized three focus groups this spring in what is expected to be a series of meetings during which community participants will help Lowell's public safety officials shape a plan for a safe and secure city. Neighborhood activists, business and nonprofit organization leaders, and members of the city's Race Relations Council will attend the initial focus groups. Topics to be considered range from Homeland Security matters and storage of hazardous materials to vandalism and hate crimes.

The Safe City steering committee, which has met periodically for more than a year, includes officials from the

Lowell Police Department and various campus representatives. The project, called the Safe City Scenario Workshop Project, will be an extension of the successful Sustainable Lowell Scenario Workshop Project held last spring. Results of last year's project were folded into the City planning department's recently released draft of a 20-year master plan.

"When sufficient funding is in hand," explains researcher Jennifer Gaudet of the CIC, "the planning committee will hold a vision-building workshop in which a broad representation of people who live and work in the city can vocalize their concerns and priorities around creating a safe community."

## "Individuals in a Private Drama" will be Theme of University Gallery

**M**omentary Moments," a collection by Somerville artist Gary Duehr featuring large-scale color inkjet prints, will be on exhibit at the University Gallery through the month of April.

The digitally-based prints are anonymous portraits of individuals that capture their transitory moments in public places, transforming the moments into something more timeless. "Caught in a strong sidelight, lifted out of the context of the street, the individuals seem immersed in a private drama," says the artist. "Each person becomes a kind of movement."

Duehr has been featured in many national and international exhibits, including local venues such as the DeCordova Museum in Lincoln and the Photograph Resource Center in Boston.

The exhibit will run April 2 through 30. The University Gallery is on the first floor of the McGauvran Student Center on South Campus.



▲ The artist Gary Duehr will exhibit prints through April 30.



▲ The Osibi Dancers of Lowell perform at the National Park's Visitor Center during Black History Month, a program sponsored in part by the Mogan Cultural Center.

## Mogan Center Boosts City's Cultural Activity

**A**n African traditional arts program; a photography and writing project about newcomers to Lowell; a museum exhibit on Native Americans of the region; a video tour showing a "child's view of Lowell" by students at the McAuliffe elementary school; and a citywide poetry campaign are a few of the activities selected to receive support from the Patrick J. Mogan Cultural Center this year.

"We want to encourage local cultural expression and support people and organizations as they create, present and preserve the culture of Lowell," says Mehmed Ali, coordinator of the Mogan Center, a program of Lowell National Historical Park in partnership with UMass Lowell.

Asst. Prof. Diana Archibald of the English Department will coordinate another installment of the "City Lives" program, which documents the lives and stories of Lowell people. Involving students in the English and Art departments, this year's focus is "Immigrants to Lowell." In addition to an exhibition at the Mogan Center, the project features a chapbook of biographies, a Web site with images, and archival materials that become part of the collection of the University's Center for Lowell History at the Mogan Center.

Lowell's new Revolving Museum, led by Jerry Beck, adjunct professor of art, received support for an ambitious spring and summer project, "On Track and Off the Beaten Path." Beck and a host of collaborators will use the alleys and abandoned rail lines downtown as a stage for sculptural installations such as the Local-Motive Community Art Train.

Artist, educator and architect Eric Gould will work with UMass Lowell art students on a large architectural environment titled "The Private Lives of Public Space" that comments on the Industrial Revolution. Mogan Center funding supplements a major grant from the National Endowment for the Arts for this effort.

In addition to the projects described above, which were funded through a request for proposals process, a variety of programs are produced with assistance from the Mogan Center. Among these are a recent ceilidh during Irish-American Cultural Week, Black History Month events, and, later in the year, Portuguese and Latino festivals, Canal Heritage Day, the Southeast Asian Water Festival, and annual Kerouac literary festival. The Center supports activities ranging from community education programs (Cambodian Master Monkey Dance Workshops offered by the Angkor Dance Troupe) to oral history and archival outreach programs (Puerto Rican community and ethnic business, for example), as well as a Scholar-in-the-City post, this year filled by Asst. Prof. Michael Pierson of the History Department. Pierson is researching 19th-century Massachusetts Governor and Civil War General Benjamin F. Butler, one of Lowell's most notable citizens.

For more information about these programs or to learn more about the Mogan Cultural Center, contact Ali at (978) 275-1826 or Mehmed\_Ali@nps.gov.



## Visteon Exec, Alum, Speaks at Executive Forum

▲ Michael Johnston, center, is president and chief operating officer of Visteon Corporation, one of the largest automotive suppliers in the world, with 2001 global sales revenues of \$17.8 billion. Johnston, a UMass Lowell alumnus in industrial management, said his company employs 200 Lowell graduates and recruits heavily on campus because the University has "a great reputation for a no-nonsense approach." With Johnston are Krishna Vedula, dean of the Francis College of Engineering, and Kathryn Verrault, dean of the College of Management. The two colleges sponsor the Senior Executive Forum.



Continued from Page 1

## Creativity Rules in Creating FIRST Robot

The competition starts in January, when the teams receive their guidelines and kits of materials—mostly many kinds of motors and controllers. This year, the robots must pick up and move large plastic crates from a ramped “hill” into a scoring zone, cooperating with another team to compete against two teams on the opposite side of the playing field.

The STL team met with the high school students to brainstorm a strategy for scoring the most points, then began work on a forklift design.

“We tried for speed,” says Goodhue. The drive train uses electric drill motors and a sprocket and chain mechanism, and the robot reaches a top speed of 7.5 mph. A brake is part of the design, to make the robot more difficult for competitors to move at the end of the competition, when controlling the top of the hill yields extra points.

Fabricating the parts consumed the most time in the project, and here the resources of STL were critical. The lab normally produces high-precision models of radar systems for the military and other imaging applications. Staff people were generous with their

time and opened the lab to the other undergraduate students, mostly physics majors, working on the team.

Robert Giles, co-director of STL, is proud of what the students have accomplished.

“The design and engineering are getting better each year,” says Giles. “We’re up against top universities and companies that contribute significant resources and staff engineers. Some of the designs are very sophisticated and I expect our team to do well.” The team will compete against 20 other teams at the regionals in Hartford.

With corporate sponsorship unavailable this year, the STL research group funded the entry fee from overhead.

While the University team built the robot, the high school students built a mock-up of the playing field and practiced with past robot models. As the students gain experience, they contribute more to the process—this year, two students helped in the machining. And, after the competition, Cote plans to run a CAD workshop for the high school team.

—SS



▲ Team members include, from left, Don Stahl, team adviser at the high school; Steven Cote, mechanical engineer at STL; Brian Goodhue (front) and Ryan Jansen, both seniors in mechanical engineering; and Luke Kenbeek, Whitinsville student.

## Museum Trips, Art History Symposium Among April Offerings by History Club

A bus trip to New York City’s Metropolitan Museum of Art will be the first of three events to be sponsored by the UMass Lowell Art History Club during the month of April. The bus will leave South Campus at 7 a.m.

A week later, on April 12, a bus will depart South Campus at 9:00 a.m. for a trip to the Worcester Art Museum and the Wadsworth Atheneum.

Finally, on Wednesday, April 30, an art history symposium, “American Art,” featuring four speakers, will take place at the Boott Mill Auditorium from 2 to 5 p.m. It is free and open to the public.

For more information on any of these events, contact Marie Frank at Marie\_Frank@uml.edu

Continued from Page 1

## New Project Seeks to Make Homes Healthy

visits. Home visitors and inspectors also experience frustration with the cultural chasm between themselves and the families.

The Healthy Homes Project will develop culturally sensitive educational materials and will train home visit providers. Project leaders will also develop methods for tracking observations on home environmental quality.

A large fair in June—the “Year of the House”—will celebrate multicultural uses of the home and disseminate information about housing and environmental issues in the home.

—SS



▲ Making plans for the Healthy Homes Project, a collaboration of the Center for Family, Work and Community (CFWC) and the Lowell Health Department, are, seated, from left, Stephanie Chalupka, associate professor of nursing; Linda Silka, professor of Regional Economic and Social Development (RESO); and Julie Villareal, assistant project manager at CFWC. Standing are David Turcotte, left, program manager at CFWC; and Barbara Rocha, graduate student in RESO and community development fellow with CFWC.

## International Scholars Share Research on ‘Informal Sector’

The Department of Work Environment recently hosted two international scholars researching work conditions for undocumented workers in their home countries.

Dr. Heleno Correa-Filho, associate professor, Department of Social and Preventive Medicine at the University of Campinas in Sao Paulo, Brazil, spoke on his research on the informal sector in Campinas. The informal sector is equivalent to undocumented workers in this country.

Correa-Filho is a coordinator in the Work Environment’s grant on “Work and Health in Brazil and Mexico,”

a five-year project funded by the National Institutes of Health. The project is designed to provide graduate-level training in occupational and/or environmental health to professionals

from Brazil and Mexico. Project initiatives are carried out through the University of Campinas, The Federal University of Pelotas, also in Brazil, and the University of Sonora, Mexico. Principal investigator for the project is Dr. Rafael Moure-Eraso, Work Environment. The project director is Carlos Eduardo Siqueira, senior researcher in Work Environment.

Correa-Filho spent two weeks in Lowell getting to know department faculty and discussing potential grant-related activities.

Dr. David Wegman, chair of Work Environment, took advantage of Correa-Filho’s visit to invite to Lowell Dr. Sylvie De Grosbois, associate professor at the Center for Research of Bio-Interactions Between Health and the Environment at the University of Quebec. De Grosbois gave a seminar on her research, “Pyramidal Work Organization, Health and Gender in Chile: A Case Study from the Informal Shoe Industry.”



▲ Carlos Eduardo Siqueira (far left), a senior researcher in the Department of Work Environment, and Dr. David Wegman (far right), chair, organized the seminars given recently by two scholars researching work conditions for undocumented workers. Speakers were Dr. Heleno Correa-Filho from the University of Campinas, Sao Paulo, Brazil, and Dr. Sylvie De Grosbois from the University of Quebec, Canada.



## Worker Photography Project Clicks with Participants, Community

For several months, local teenagers and union workers have looked through the lenses of their cameras to capture images from their daily lives. About 30 of these photos, the result of the UMass Lowell-sponsored Worker Photography Project, will be displayed this spring at the Patrick J. Mogan Cultural Center.



▲ "Unwrapped," which depicts a worker in a small factory in Lowell, by high school student Ryan Clancy, is one of about 30 photos that will be displayed at the Mogan Cultural Center as part of the University-sponsored Worker Photography Project.

"Community Clicks: A Photographic Journey of Workers and Youth" runs from April 1 to June 27, weekdays from 9 a.m. to 5 p.m. and weekends from 1 to 5 p.m. The opening reception on Tuesday, April 1 from 3 to 6:30 p.m. will feature refreshments and entertainment, including break-dancers, steppers and a Double Dutch team. The exhibit is sponsored by the UMass Lowell Labor Extension Program and Photography Department, Mogan Cultural Center, United Teen Equality Center of Lowell and many unions and organizations in the region.

"We ended up with some great photos," says Susan Winning, Labor Extension Program coordinator. "The students and workers took photos of their friends, the community, their relatives. People who visit the exhibit will see a little slice of Lowell that they probably haven't seen before."

Through six workshops, the eight high school students from Lowell and six adult workers learned about the history of photography and how to tell a story through their photographs and use the darkroom for developing and enlarging. They also embarked on field trips to a few local manufacturing facilities for photo sessions of workers in action.

Winning lauded the UMass Lowell Photography Department, particularly Profs. Arno Minkinen

and Mark Eshbaugh, who volunteered their time to conduct workshops and darkroom sessions for participants. In addition, she says, Friends of Photography, the club led by the two professors, developed some photos for the exhibit.

"Despite an extremely busy schedule, Arno and Mark spent long sessions in the darkroom explaining how the process worked and giving feedback on the photos that the participants developed," Winning says. "Thanks to them, the participants of the Worker Photography Project were able to go through every step of the photography process, beyond what we had anticipated when first developing the project."

The education of the project participants didn't end with the production of their photographs. Winning says they also enlarged, framed and hung the photos for the exhibit themselves.

"Most of the participants are doing every step. They will really have gone from A to Z in learning how to take photographs to displaying them in a show," she says.

## Center Opens New Doors



◀ The Center for Women and Work recently hosted an open house to celebrate its new location, Coburn Hall, B11. Prof. Meg Bond, director of the Center, lower right, thanked the many people who helped transform the space into a vibrant work area with a meeting room, computer work stations and office space. Members of Bond's student staff include, clockwise from lower left, Youngju Seo, Ana Valdez, Jennifer Gooch, Dianne Cazeca, Susanne Harris and Courtney Shull, center. Not pictured are Sivan Daniel, Alketa Kalaja and Lana Tsurikova.

## Engineering Professors Face Jeopardy

Can you name the state with the smallest population in the United States? How about the winner of the 1915 Nobel Prize in chemistry?

If you answered 'Wyoming' and "Richard Martin Willstätter," you probably would've made a perfect contestant for a game of Professors' Jeopardy, one of the closing events to this year's E-Week activities.

Five professors of engineering put their knowledge to the test in categories ranging from "Astronomy" to the cryptic "Words Beginning with the Letter 'I'."

Prof. John McKelliget, mechanical engineering, led through the first round. Thanks, however, to a seemingly encyclopedic knowledge of "80s TV shows" and "Movies,"

Prof. Adam Elbert, electrical and computer engineering, took a narrow lead after the Double Jeopardy round.

The Final Jeopardy category, "Prehistoric Beast" proved to be an obstacle for all of the contestants except Elbert who won a narrow victory for knowing that the anteater is the modern day relative to the ancient sloth.

The contestants for Professors' Jeopardy also included Profs. Clifford Bruell, civil engineering, Gilbert Brown, nuclear engineering, and Nick Schott, plastics engineering. Senior Raymond Tremblay, electrical engineering, played host.



▲ Senior Raymond Tremblay, electrical engineering, left, peppered five engineering professors with "answers" in a spirited game of Professors' Jeopardy during this year's E-Week activities. The contestants included, continuing from left, Profs. Gilbert Brown, nuclear engineering, Adam Elbert, electrical and computer engineering, Clifford Bruell, civil engineering, John McKelliget, mechanical engineering, and Nick Schott, plastics engineering.

## E-Week Features Non-Stop Fun

Engineering students may have a reputation for hard work. Certainly the courses are challenging and many students also hold jobs. But students everywhere, along with their professors, enjoy kicking back.

This year Engineering Week (E-Week) featured many opportunities for enjoyable activities and socializing.

An open rink at the Tsongas Arena tempted many to try their skills on thin blades, before cheering on the hockey players the next night as they played against Merrimack College. A pool tournament and a basketball tournament provided a welcome diversion near



▲ The Ace Fay dance team prepares to wow the crowd at the Talent Festival, one of the events during E-Week, celebrated by the Francis College of Engineering.

the end of a long, cold winter. And a talent festival brought out a wide diversity of dancers, singers and other acts, who also enjoyed ethnic foods.

A highly competitive Professors' Jeopardy rounded out the week (see accompanying article).

Events were co-sponsored by the E-Council, the Student Government Association, the Center for Diversity and Pluralism and the Residence Halls Association. Other student organizations and campus chapters of professional organizations sponsored individual events.



▲ Open skating in the Tsongas Arena is always a big hit during E-Week, as students and faculty take to the ice for fun and exercise.



## Directors Update Research on Smoking Cessation

The second presentation in this spring's series on "New Directions in Health Promotion" focused on health disparities in tobacco use. Speakers were Dr. Elizabeth M. Barbeau, assistant professor, Center for Community Based

Research at Dana Farber Cancer Institute, Department of Health and Social Behavior, Harvard School of Public Health and Dr. Charles Levenstein, professor, Department of Work Environment.

Barbeau and Levenstein are co-directors of the Consortium on Organized Labor and Tobacco Control (COLT), an initiative intended to reduce class-based health disparities resulting from tobacco use. COLT is funded by the American Legacy Foundation, which in turn is funded through lawsuit settlements against the tobacco industry.

Barbeau reported on the progress of COLT's Young Workers Project. Researchers are seeking to determine

the effectiveness of specialized anti-tobacco training modules and intervention techniques used in the apprenticeship programs of three unions. The project will conclude in June.

Another COLT initiative focuses on building relationships between departments of public health and labor unions. As part of that effort, Levenstein has developed and will present "Labor 101" to public health officials in Detroit responding to their request for a deeper understanding of unions. Recently, Levenstein was also the opening night speaker at the New York State Public Employees Federation's conference on health and safety.

Lowell's health promotions series is sponsored by the Center For Public Health Research and Health Promotion, co-directed by Drs. Barbara Mawn and Craig Slatin, and the Center for Family, Work and Community, co-directed by Drs. Linda Silka and Joyce Gibson.



▲ The "New Directions in Health Promotion" series hosted the directors of the Consortium on Organized Labor and Tobacco Control at its March presentation. They are, from left, Dr. Charles Levenstein, professor, Department of Work Environment and Dr. Elizabeth M. Barbeau of the Dana Farber Cancer Institute. Pictured with them are Dr. Craig Slatin, a director of the Center For Public Health Research and Health Promotion, and Robin Finneral of the Center for Family Work and Community. The centers co-sponsor the series.

## UMass Lowell Students Show Off 'Big Brains' in College Bowl

The UMass Lowell College Bowl team recently placed third out of ten teams in the Northeast Regional Tournament at Bentley College.

The UML squad also collected the award for Most Improved Team, and team captain Charles Guthy, a junior electrical engineering major, was named one of the five tournament all-stars.

Guthy's teammates were Sarah Fischer, Charles Greene, Patrick

Joyce and Laurie MacMunn. Honors Program Coordinator Laurie Tirado and Honors Program Director Steve Pennell served as the team's coaches.

Pennell explained how the UMass Lowell team is chosen each year:

"Every November we hold an on-campus tournament, similar to the actual College Bowl. The top players from each team are selected to represent the University in the regional tournament."

College Bowl, often called "The Varsity Sport of the Mind", is a contest of questions and answers played by teams of competing students. The tournament is divided into two parts: a round-robin session, followed by a double-elimination playoff among the top four teams.

The UMass Lowell team's overall record in the competition was 8-4.

## Forum Confronts the Effects of Technology in Women's Lives

The Center for Women and Work (CWW) will present the Fifth Annual Gathering at the Well Forum to examine "Technology in Women's Lives: Labor Saving or Enslaving?" on Friday, April 11 from 8:30 a.m. to 12:30 p.m. in the Wannalancit MIL Conference Room.

The keynote speakers will be Roslyn Feldberg of the Massachusetts Nurses Association and Maria Papesh of the Lowell National Historical Park. A listening panel will comment on the local implications of action. The panel will include Lowell Mayor Rita Mercier, Jeanne Osborn, director of the Lowell Chamber of Commerce and Sue Goodwin, vice chancellor for Administration and Finance.

The forum is sponsored by CWW with support provided by the Council for Diversity and Pluralism, the Committee of Federated Centers and Institutes, and the UMass Lowell Bookstore.

For registration information, visit [www.uml.edu/centers/women-work](http://www.uml.edu/centers/women-work) or call ext. 4380.

## Symposium Assesses Democracy in Higher Education

English Prof. Todd Avery is working with Prof. Stephen Olbrys of UMass Amherst to coordinate a one-day symposium on "Literature, Communication, and Democracy," on Wednesday, April 2 in Coburn 205. The symposium is being sponsored by the Center for Diversity and Pluralism and the English Department.

Patrick Brantlinger, the Rudy Professor of English at Indiana University, will present the keynote address, "The Humanities in the Information Age" at 3:30 p.m. He is a renowned Victorianist, a leading proponent of cultural studies and the author of such books as *Bread and Circuses: Theories of Mass Culture as Social Decay*.

For information, contact Todd Avery at (978) 934-4184 or [todd\\_avery@uml.edu](mailto:todd_avery@uml.edu).

## University Plays Active Role in Lowell Women's Week



▲ Theresa Jerry, left, a psychology major, and Jennifer Gooch, a graduate student in community social psychology, appeared in this year's production of *The Vagina Monologues*. Nearly 600 people attended the three performances, proceeds of which benefit Rape Crisis Services of Greater Lowell and Alternative House. The production was sponsored by the UMass Lowell V-Day Collaborative, part of an international movement to end violence against women and girls.



▲ Susan Kapuscinski Gaylord, left, author of *Multicultural Books to Make and Share*, led a hands-on book-making workshop as part of Lowell Women's Week in March. The event was sponsored by the Latino Health Institute of Lowell and the University's Center for Diversity and Pluralism. Someris Duran, center, of the Institute, and Prof. Anne Mulvey, director of the Center participated in the workshop.



▲ Dr. Maju Brunette, work environment, presented a talk on the perceptions of Peruvian women on their work conditions during the University's Women's Week activities. The talk was sponsored by the Center for Women and Work.

## Muslim Association Stages Peace Rally, Debate on Iraq



▲ The Muslim Student Association, in collaboration with the Student Government Association, sponsored a peace rally and debate on March 5, National Student Strike Day Against War On Iraq. MIS Prof. Riaz Khan, MSA advisor, left, welcomed the Rev. Imogene Stulken and Sociology Prof. Dan Egan, both of the Peace and Conflict Studies Institute, who spoke at the rally.



▲ Anwar Kazmi, president of the American-Muslim Alliance, participated in a debate in O'Leary Library on the question, "Is war the only option?: The case of Iraq." Kazmi and Charley Richardson, director of the Labor Extension Program, whose son is stationed in the Persian Gulf, debated political science majors Dan Kelly and Andy Anderson, president and vice president of Students for International Stability.

## Student Art to Show in Dugan Gallery in April

**B**uilding Foundations," an exhibit of student artwork organized and curated by UMass Lowell Art Professor Jehanne-Marie Gavarini, will be on display in the Dugan Gallery in Dugan Hall April 9 through 30.

The exhibit features work created as part of the Art Foundations Program, which offers required courses in drawing, visual design and form and content as a basis for all University art students.

## McIntosh to Address Privilege Systems and Education April 7

**D**r. Peggy McIntosh of the Wellesley College Center for Research on Women will be on campus on Monday, April 7, to discuss "How Privilege Systems Undermine U.S. Educational Ideals." Her presentation, which will take place at Mahoney Auditorium, South Campus, from 3:30 to 5 p.m., is sponsored by the Council on Diversity and Pluralism and co-sponsored by an array of centers and programs across campus.

McIntosh directs the Gender, Race, and Inclusive Education Project, that provides workshops on privilege systems, feelings of fraudulence, and diversifying workplaces, curricula, and teaching methods. She is also the founder and co-director of the National SEED (Seeking Education Equity and Diversity) Project on Inclusive Curriculum. The SEED

Project helps teachers create their own school-based seminars on making school climates, curricula and teaching methods more gender fair and multi-culturally equitable. The ongoing controversy on standards, affirmative action and MCAS in our educational system makes Peggy McIntosh an invaluable source of information, as does her insightful writing regarding personal and structural systems of privilege.

Group discussion, resource exchange and refreshments will follow McIntosh's presentation. Dr. Meg Bond of the Psychology Department and the Center for Women and Work, Dr. Kristin Esterberg of the Sociology Department, and Bobby Tugbiyele, President of ASAO (Association of Students of African Origin) will be the discussants.

## Student Engineers Design the Right Stuff

**A** team of freshman and sophomore students in mechanical engineering won a design competition recently at the New England district convention of Tau Beta Pi, the engineering honor society, held at Northeastern University.

The students—Peter Tavilla, Nick Mosher and James Joyce—beat out eight other teams, including runners-up from MIT and Northeastern.

The students were recruited for the event by Jeffrey Hodgkins, an officer of the UMass Lowell chapter and a senior in mechanical engineering, since underclassmen cannot be honor society members.

The competition was sponsored by Empirix, a networking company

specializing in Web and voice applications. The design challenge was a network engineering problem based on a real-world case study: a company lost customers when servers were overloaded during peak ordering periods.

The students had three hours to come up with a solution to the problem of too much traffic over the servers during peak loading time, then make a presentation to a panel of industry executives and academics. The prize was \$150 each, plus bragging rights.

## UMass Lowell Profs Judge the FIRST Competition



▲ UMass Lowell faculty members Prof. Sammy Shina, mechanical engineering, and Asst. Prof. Holly Yanco, computer science, were judges at the regional competition of FIRST (For Inspiration and Recognition of Science and Technology) Robotics, a competition for high school teams and their sponsors. Shina and Yanco are shown here with Dean Kamen, inventor of the Segway and founder of the FIRST competition. Shina said the event was very exciting: "I was amazed at what the kids could do—they were changing the programming in the pits."



▲ A team of UMass Lowell mechanical engineering students won a freshman-sophomore design challenge recently at a conference of Tau Beta Pi, the engineering honor society. Pictured are, from left, Jeffrey Hodgkins, an officer of the UMass Lowell chapter of Tau Beta Pi, and team members Nick Mosher and Peter Tavilla. Not pictured is team member James Joyce.



## Second PHASE Conference Draws Many Health Care Workers

**M**ore than 100 nurses, hospital administrators, technicians and other health care workers addressed a wide range of issues at the second annual conference on Promoting Healthy and Safe Employment in Health Care (PHASE).

The conference was sponsored by the multi-year research project of the same name. Asst. Prof. Craig Slatin, Health and Clinical Sciences Department, is principal investigator and Prof. Laura Punnett, Work Environment Department, is co-principal investigator.

PHASE is supported by the National Institute of Occupational Health and Safety and the National Institutes of Health. Participating health care organizations include Saints Memorial Medical Center in Lowell and Holy Family Hospital and Medical Center in Methuen. Labor unions that represent health care workers in these facilities, the Massachusetts Nurses Association and Local 285 of the Service Employees International Union are also participating in the project.



▲ From left, William L. Lane, president of Holy Family Hospital, Methuen, and Representative Thomas A. Golden Jr., were among the panelists at the second PHASE conference March 7. The conference was sponsored by the Promoting Healthy and Safe Employment in Healthcare (PHASE) research project. Asst. Prof. Craig Slatin, Health and Clinical Sciences Department, is principal investigator of PHASE. Dr. Janice M. Stecchi is Dean of the College of Health Professions.



## TURI Hosts Irish Policymakers

▲ A dozen senior officials from Ireland and Northern Ireland visited the Toxics Use Reduction Institute (TURI) as part of the Irish Institute at Boston College 2003 Environmental Policymakers Program, sponsored by the United States Congress. Charged with formulating and implementing Environmental Policy to the United States, the Irish policymakers participated in a two-week program of classroom seminars and meetings with their peers from federal, state and local agencies. Participating in the discussions with TURI and the Lowell Center for Sustainable Production were, back row from left, Tim Walker, Belfast City Council; Feargal O'Coigligh, Department of the Environment and Local Government, Republic of Ireland (IE); Philip Cummings, Environment and Heritage Service, Northern Ireland (NI); Janet Clark, TURI; Charlie Lowe, Dublin City Council; Catherine McConnell, Galway County Council, IE; Denis McCarthy, Director of Services, Waterford Co., IE; Billy Reid, Ecos Millennium Environment Centre, Ballymena Borough Council, NI; and Jack Lusk, TURI. Front row, Claire Griffin, The QUESTOR Centre, NI; Larry Stapleton, Environmental Protection Agency, IE; Liam Whelan, Department of the Environment and Local Government, IE; Ken Forbes, Banbridge District Council, NI; Derek Duncan, Cookstown District Council, NI; and Jim Evans, Irish Institute, Boston College.



## Practice Interviews Make Perfect

▲ More than 30 graduating students fine-tuned their job-search skills at the Office of Career Services' "Practice Interview Day." Graduate Student Hao Xie, right, was "interviewed" by Jamie Wallace, '99, of Enterprise Bank and Trust, one of eight area professionals who volunteered their services. The students' performances were critiqued and videotaped as part of the exercise designed to better prepare students for the job market.

## Robots Unlimited at Festival and Tournament

**R**obots will push the limits of robotics at a festival, Botfest, and a competitive tournament, Botball, on Saturday, March 29, in the Campus Recreation Center.

The Botfest festival, from 11 a.m. to 1 p.m., is a wide-open exhibition of interactive robots, build-it-yourself robots, and demonstrations of creations by students from fourth grade to adult.

A young class from Smithfield, Rhode Island, will demonstrate their computational interactive jewelry—programmed to light up when you meet someone with the same interests. Robots may sing, make and deliver tea, engrave portraits, play chess, or calculate the speed of a spinning wheel.

Is it a robot? Is it something else? Who cares? It's all fun at the festival.

From 1 to 4 p.m., high-spirited, fast-paced competition is the scene at Botball, one of the regional competitions under the auspices of the KISS Institute for Practical Robotics. Botball seeding rounds are in the morning, and the double elimination tournament in the afternoon, culminating with awards.



▲ Fourth-grade students from the McCabe School in Smithfield, R.I., will demonstrate their interactive jewelry, one of the robotics demonstrations at Botfest on March 29.

"We hope lots of families with children will come," says Asst. Prof. Holly Yanco, who runs the event with Asst. Prof. Fred Martin, both of computer science. "Botfest is full of highly interactive demos, and the Botball tournament is exciting to watch. We're very pleased to be in the new campus recreation center this year; it's a great location."

More information is available at <http://www.cs.uml.edu/botfest/>.



## Giehl Discusses 'Foos—Doll' With Gallery Audience

▲ Artist Mary Giehl recently addressed visitors to an exhibit of her works entitled "Foos — Doll"—in the University Gallery. The artist said her work has often taken on themes she encountered through her work as a registered nurse in a Pediatric Intensive Care Unit. Giehl cared for children who had been abused.



## College of Health Professions Brings 'World of Wellness' to Campus Recreation Center



◀ Junior Amy Aviles, left, has her health assessed by Jessica Desrosiers, a junior in the community health education program, under the watchful eye of Assist. Prof. Nicole Champagne, a co-coordinator of the annual College of Health professions health fair in March.

► Assist. Prof. Jo Ann Mackey, back left, a co-coordinator of the health fair, joins her junior nursing majors at a booth about safer sex. This was one of dozens of booths and activities set up throughout the Campus Recreation Center. Students are, from left, front, Lois Tay, Jeanette Magoon, Jenelle McLaughlin and Ann Milone, and rear, Joyce Keefe and Jean Bruno.



## NoteWorthy

English Prof. Jeannie Judge has had her article, "Cosima Chudleigh Goes to London—a Look at Women Writers" accepted in the 2003 edition of the journal *Changing English*.

Dean Jacqueline Moloney and Steve Tello, associate director of Distance Learning, published a feature article in the February issue of *Syllabus* magazine on "Principles for Developing Successful Online Programs." The two also conducted a workshop on the same subject in November for 50 participants at the *Syllabus* Fall 2002 Regional Conference.

These activities were among several in recent months that publicized the successful course strategies and program developments of the Division of Continuing Studies, Corporate and Distance Education.

At the same fall syllabus, Online Faculty Coordinator Carolyn Siccama, along with psychology Prof. Richard Siegel and Michael Lucas, coordinator of Distance Learning, led a workshop on "The Next Generation of Online Teaching and Learning."

Meanwhile, *Education Pathways*, a nationally recognized online education newsletter, praised the Graduate School of Education's online master's in educational administration program. The article credited the University with initiating an innovative approach to the K-12 administra-

tor shortage by providing access to area educators who are interested in this career path. It also cited the partnership the University has established with the Lawrence Public Schools under the leadership of Dean Donald Pierson.

In November, Tello and Siccama conducted a workshop on "Getting Started: Online Course and Program Development" at the eighth annual Sloan-C International Conference on Asynchronous Learning Networks. Dean Moloney chaired one session of the conference.

Asst. Prof. Diana Archibald published a book, *Domesticity, Imperialism, and Emigration in the Victorian Novel*, through the University of Missouri Press.

Archibald says that during the 19th century, as millions of British citizens left for the New Worlds, hearth and home were physically moved from the heart of the empire to its very outskirts. In this book, she explores the way such demographic shifts affected the ways in which Victorians both promoted and undermined the ideal of domestic women.

In addition, she recently was guest editor of *Dickens Quarterly*, for a special issue on Dickens and America. The publication features revisions of five of the papers delivered at the Dickens Conference held in Lowell last spring.

## Calendar of Events

Continued from Last Page

### Thursday, April 10

**Softball**, vs. Bentley College, 3:30 p.m., River View Field. For information, call (978) 934-HAWK.

### Friday, April 11

**Gathering at the Well Forum**, "Technology in Women's Lives: Labor Saving or Enslaving?" Keynote Speakers include Roslyn Feldberg, Massachusetts Nurses Association; Maria Papesh, Lowell National Historical Park; Listening Panel includes Sue Goodwin, vice chancellor for Administration & Finance; Rita Mercier, mayor, City of Lowell; Jeanne Osborn, director, Lowell Chamber of Commerce; registration deadline is March 30; 8:30 a.m. to 12:30 p.m., Wannalancit MIL Conference Room. For information, call Sue Harris (978) 934-4380 or register online at [www.uml.edu/centers/women-work](http://www.uml.edu/centers/women-work).

### Saturday, April 12

**Concert**, Faculty Performance Series, 11th Annual Clarinet Congress, featuring Prof. David Martins, director, 8 a.m. to 5 p.m., Fisher Recital Hall. For more information, call (978) 934-3850.

**Concert**, Faculty Performance Series, Piano Department Recital, featuring Prof. Bonnie Anderson, director, and Prof. Thomas Stumpf, director, 7:30 p.m., Fisher Recital Hall. For information, call (978) 934-3850.

### Sunday, April 13

**Baseball**, vs. Southern New Hampshire, 1 p.m., LeLacheur Park. For information, call (978) 934-HAWK.

### Monday, April 14

**Public Reading**, Writer-in-Residence Elizabeth Cox will read from her latest literary work, 3 p.m., Coburn 205. For information, call William Roberts (978) 934-4187.

**Concert**, Faculty Performance Series, Percussion Ensemble, Jeffrey Fischer, director, 7:30 p.m., Fisher Recital Hall. For information, call (978) 934-3850.

### Tuesday, April 15

**Softball**, vs. Southern New Hampshire, 3 p.m., River View Field. For information, call (978) 934-HAWK. **Baseball**, vs. Bentley College, 6 p.m., LeLacheur Park. For information, call (978) 934-HAWK.

### Tuesday–Wednesday, April 15–16

**Performance**, STARTS program, "Tom Chapin in Concert," a musical performance for school field trips, grades K-3, 9:30 and 11 a.m., Durgin Hall. Tickets \$5. For information and reservations, call the STARTS hotline (978) 934-4452.

## Promotions Appointments

### Appointments

**Brenda J. Bond**, program manager in the Center for Family, Work and Community, from director of Research and Development at the Lowell Police Department.

**Barbara K. Koumantseles**, coordinator of student records in the Registrar's Office, from 03 to 01.

**Susan L. Loucks**, policy analyst in the Toxics Use Reduction Institute (TURI), from project coordinator of Chelsea Greek Action.

**Julie Villareal**, assistant project manager in the Center for Family, Work and Community, from 03 to 01.

**Melissa P. Wall**, staff evaluator in the Center for Family, Work and Community, from 03 to 01.



## UMass Lowell in the Community

### With Her Husband Away, Sandra Debuc Deals with the Ants and the Furnace

John and Sandra Dubuc moved into their new home in Hudson, N.H., a year ago February.

Sandra has lived there for 14 months. But John has been there only four. Otherwise, he spent most of his time in Oman. Now she doesn't know where he is.

But she talks with him twice a week and she knows that, wherever he is, there is a seven-hour time difference.

Sandra is a staff assistant in the Comptroller's office.

John is a sergeant in the Massachusetts Air National Guard. In January, his outfit—the 267th Combat Communications unit—was activated and sent to an undisclosed location, which, without much doubt, is in the Middle East.

"He could be gone anywhere from six months to two years," Sandra says. "It all depends on what happens. I don't know where he is. He can't tell me that. But he did tell me that once things start happening he'll have no contact with me at all."

This was the second time in a year that John has had to say goodbye to Sandra and their two sons, Christopher, 5, and Matthew, 3, when duty called. He just returned last fall after seven months in Oman, a hot, desert country in the Middle East not far from Iraq.

"It was a lot tougher to say 'bye' this time because now we know what to expect and exactly what he'll be missing here at home," says Sandra.

"I feel bad that he'll be missing out on so much of our sons' development. This year they're both going to be playing soccer and the older one is going to be in kindergarten. He's going to miss so much of that. I feel bad for him and I feel bad for the kids."

But Sandra doesn't feel sorry for herself.

"There are a lot of widows and single parents with children who are in the same position. I'm not complaining," she says. "My situation is only temporary."

For over 100 years, UMass Lowell has been making a positive difference in the region, through the education, research, and outreach of the institution. The many people who work on the campus also make a positive difference in the University community, as shown in this series, "UMass Lowell in the Community."



▲ Sandra Dubuc's husband, John, has been called to active duty with his Air National Guard unit for the second time in a year. Taking care of the house and their two children by herself is a little challenging but, she says, many other women do it all the time and she has no complaints.

Still, things do pile up. Since John left, melting snow on the roof leaked through faulty flashing and caused water damage to the walls in the family room and the garage; the control valve for the furnace broke and the temperature was 86 degrees for four days; the heat resulted in the appearance of "a trillion" ants; and the cable on the garage door opener snapped.

"If these things had happened one at a time, it wouldn't have been a big deal but they all happened in the same week," she says. "But I'll deal with it."

There's less money coming in because John's military salary is a lot lower than what he makes as a networking specialist at Sun Microsystems in Burlington. But, on the positive side, Sandra points out that his military pay is not taxable, and he doesn't have any expenses while he's on duty.

Otherwise, things at home are going along normally. Christopher is in school, and Sandra's mother watches Matthew during the day.

It's principally in the evening that Sandra misses John the most.

"I need those extra hands," she says. "He gives the kids their baths and gets them in bed and reads them a story while I do the dishes and the laundry and other things. That kind of stuff."

—JMcD

### Daniel Releases *White Rabbit*

*White Rabbit*, a mystery novel by adjunct professor David Daniel, English, is now available in bookstores.

The book is the story of homicide inspector John Sparrow who has been assigned to track The Death Tripper, a serial killer on the loose in San Francisco in 1967. Sparrow meets Amy Cole, a writer for an underground weekly, *The Rag*, and they begin an unlikely collaboration that draws him into the world of free love, music, drugs and other hallmarks of the flower power era.

Daniel described the book as a labor of love, spending many hours playing records from the time. His recollections of the time shape the tone of the story.

"My wife must've gotten sick of listening to all this music I used to listen to," Daniel says. "I found it fascinating that, in the time

period, there was this widespread belief that people could change the shape of things."

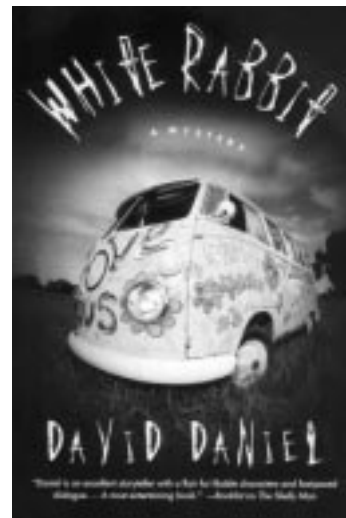
Prof. Bill Roberts, chair of English, says Daniel has been with UMass Lowell for many years teaching basic college writing classes and a course called "Crime in Literature."

"I look forward to a time he might teach a mystery writing class as well," says Roberts.

Daniel has authored or co-authored several novels including *Ark*, *The Tuesday Man*, *The Skelly Man*, *Murder at the Baseball Hall of Fame* and the award-winning *The Heaven Stone*. He has also just finished two other mysteries that are part of a series set in Lowell.

*Booklist* once said of him, "Daniel is an

excellent storyteller with a flair for likable characters and fast-paced dialogue."



▲ *White Rabbit*, the latest mystery novel by Prof. David Daniel, English, was just released from Thomas Dunne Books/St. Martin's Minotaur.

### Obituaries

#### Prof. Emeritus Ruth Ashley of Music

Prof. Emeritus Ruth Ashley of the Music Department, who retired in 1990 after two decades of service to the University, died at Boston Medical Center on March 4 following a lengthy illness.

A native of Milton, Prof. Ashley was a 1952 graduate of Lowell State Teachers College. She also did graduate studies at Boston University and Fitchburg State College, where she earned a master's in education.

Following her graduation from Lowell, Prof. Ashley taught music in public schools in Norwood and Easton for 17 years before joining the Lowell faculty. She was named chair of the Department of Music Education in 1987.

In addition to her duties at the University, she was director of the Handbell Choir at St. Mark's Congregational Church in Roxbury, and was active in professional music organizations.

Gifts in support of a scholarship in her name may be sent to the UMass Lowell Office of Advancement, 600 Suffolk St., Lowell, MA 01854. Checks should be made payable to the Ruth C. Ashley Memorial Scholarship.



▲ Prof. Emeritus Ruth Ashley



## Eby's Text Brings Light to Geochemistry

**P**rof. Nelson Eby, of the Environmental, Earth and Atmospheric Sciences Department, has completed a comprehensive text on environmental geochemistry, published by Brooks Cole.

Focusing on how chemical principles shed light on real environmental problems, *Principles of Environmental Geochemistry* is clear, well-written and accessible for students. Eby was motivated to write the book after teaching environmental geochemistry for some years with less-than-satisfactory texts.

"Each section of the book starts with the science first, then shows how these chemical principles can be applied to environmental situations," says Eby. "It's a process-oriented textbook. I'm not interested in making statements about the current state of the world, but in showing how to determine how the process has devel-

oped—using good investigation and proper techniques."

Environmental geochemistry is a fairly new field that starts from understanding the conditions of the natural environment—the interacting processes of earth, air, surface waters and ocean waters.

"If we understand the natural processes," says Eby, "we can better understand the perturbations."

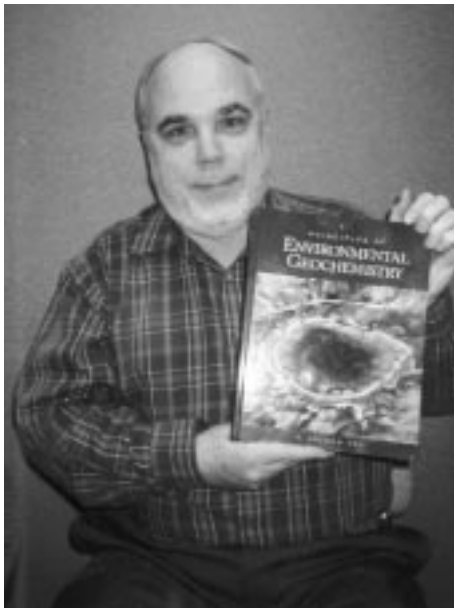
Eby has sprinkled the book with case studies based on his years of research in many parts of the world. He enjoys challenging the received wisdom: pointing out that there are different forms of asbestos, for example, and its different crystalline structures, with their differing surface chemistries, are not all equally hazardous.

Reviewer comments have been favorable:

"Unlike many other textbooks, this book is written for students. This book is clearer and more student-friendly than any other book on environmental geochemistry. It is consistently well-written, engaging, interesting, explanations are clear, case studies are comprehensive and up-to-date."—Massimo Gasparon, University of Queensland, Australia

"This is a giant whopper of a textbook, and I love it. It is one of the most comprehensive treatises of environmental geochemistry available, with a thorough mix of fundamental derivations, worked-out examples, and chemical rigor."—Johan Varekamp, Wesleyan University.

Eby, who has taught at UMass Lowell since 1970, is perhaps most fond of the dedication statement, which sums up his purpose in writing the book: "*May a scientific understanding of the environment lead to rational decisions.*"



▲ Prof. Nelson Eby, of the Environmental, Earth and Atmospheric Sciences Dept., has completed a comprehensive text on environmental geochemistry, *Principles of Environmental Geochemistry*, published by Brooks Cole.

## McCabe's Students Share a Story with Homeless Children

**F**or the past two falls, Prof. Allyssa McCabe has assigned students in her Psychology of Language class to talk and read with a child from Lowell's House of Hope at least once a week all semester.

The project, says McCabe, "has been shown to benefit the child's language and literacy development. Last year, two boys moved from remedial to regular reading groups at the end of our project, a thrilling result."

McCabe began this project in association with the PEN New England program which is a volunteer organization dedicated to promoting reading and literacy throughout the region.

The volunteers work with the children to create their own books. They transcribe the children's words, and the children illustrate the pages that are then bound together.

Here's a passage written by one 12-year-old girl from the House of Hope:

"Once there were four ladies who came to make stories with us. I made a really long one and it was good. The whole house had the best time of their life. They gave us one or two books and I got some good books."

McCabe says that issues of literacy are felt acutely by homeless children.

"Although we don't see them on the streets, there are hundreds of homeless children in local shelters," says McCabe. "Most homeless children lag behind their peers in language and literacy skills."

McCabe's students have also been trying to improve the children's chances of becoming fully literate by determining where they stand with respect to phonology, vocabulary, syntax and morphology.



▲ Students of Prof. Allyssa McCabe, psychology, have spent the last two falls promoting literacy among children at Lowell's House of Hope.

"They needed work with language," says McCabe, "to develop a sense of rhymes and meter for example."

As far as her own students, McCabe says the program helps them make discoveries about their own futures. At least one student has elected to pursue a future in speech and language pathology as a result of the program.

McCabe plans to continue to incorporate the project into all of her future Psychology of Language classes which she teaches once a year. She also encourages everyone to consider volunteering to help homeless children become better readers.

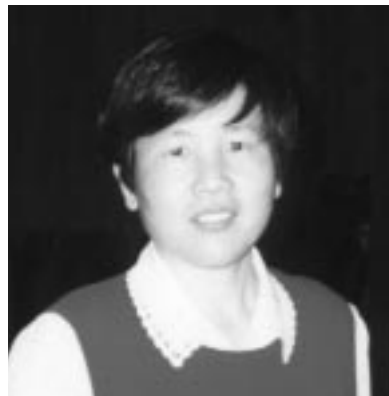
"There are many homeless children," McCabe says. "One hour a week is not a lot to ask to volunteer."

## Students Named Semifinalists for Art Awards

◀ Graphic design students John Barchey, senior, and William Ho, junior, were recently named semifinalists in the 2002 Artists' Call for Justice. Barchey's piece, above, features the phrase "Justice is nothing but the advantage of the stronger." The contest is an internet-based arts award program that encourages the creative exploration of justice-related themes and judges entries for concept, craftsmanship, originality and message.



## Chen Study Published



▲ The UMass Boston Institute for Asian American Studies recently published a paper by UMass Lowell Prof. Shehong Chen, history, entitled "Reconstructing the Chinese American Experience in Lowell, Massachusetts, 1870s-1970s." The paper reflected more than a year of study of the small, yet culturally rich, Chinese population of Lowell.

## Waterman Remembered



▲ More than 100 members of the campus community joined recently in celebrating the life of the late Joe Waterman of Lowell. Waterman taught in the Psychology Department for nearly 40 years. Longtime friend and colleague Bernard Shapiro said, "The void created by Joe's absence will never be filled."



# Calendar of Events

## Wednesday, March 26

**Open Meeting Hours,** Opportunity for faculty, staff and students to meet with William T. Hogan, Chancellor. Staff: 2 to 3 p.m.; Students: 3 to 4 p.m.; Faculty: 4 to 5 p.m.; Trustees' Room, Cumnock Hall. For information, call the Chancellor's office (978) 934-2201.

## Thursday, March 27

**Performance, STARTS** program, "DINOSAURS," a puppet and visual arts show for school field trips, grades K-3, 9:30 and 11 a.m., Durgin Hall. Tickets \$5. For information and reservations, call the STARTS hotline (978) 934-4452.

**Graduate School Open House,** Information sessions on the 15 doctoral, 31 master's and 35 graduate certificates, discussion with the dean and graduate faculty program coordinators, 2 to 4 p.m. Coburn 205. For information, call (978) 934-2380 or visit [www.uml.edu/grad](http://www.uml.edu/grad).

**Softball,** vs. Assumption College, 2:30 p.m., Riverview Field. For information, call (978) 934-HAWK.

**Faculty Development Meeting,** Continuing Studies & Corporate Education Faculty Development Meeting, 5 p.m., Faculty Alumni Lounge. For information, contact (978) 934-2469 or [Judith\\_Patterson@uml.edu](mailto:Judith_Patterson@uml.edu).

**Concert,** Student Performance Series, Graduate Recital, featuring Theresa Ronan, piano 7:30 p.m., Fisher Recital Hall. For information, call (978) 934-3850.

## Saturday, March 29

**Concert,** IAJE State Jazz Finals, Prof. Daniel Lutz, director, Prof. Deb Huber, asst. director, 8 a.m. to 8 p.m., Durgin Concert Hall. For information, call (978) 934-3850.

**Robotics Festival,** "Botfest," exhibition and interactive demonstrations of robotics created by groups of all ages, 11 a.m. to 1 p.m., Campus Recreation Center, for directions visit <http://www.cs.uml.edu/~fredm/directions/recctr.shtml>. To enter a robotics display, contact Holly Yanco (978) 934-3642 or [robots@cs.uml.edu](mailto:robots@cs.uml.edu).

**Robotics Tournament,** "Botball," a robotics tournament for middle and high school student teams; regional competition of the KISS Institute for Practical Robotics, 1 to 4 p.m., Campus Recreation Center. For information, contact Holly Yanco (978) 934-3642 or visit [www.botball.org](http://www.botball.org).

## Sunday, March 30

**Softball,** vs. St. Michael's College, noon, River View Field. For information, call (978) 934-HAWK.

**Baseball,** vs. Franklin Pierce College, noon, LeLachur Park. For information, call (978) 934-HAWK.

**Performance,** Discovery Series, "The Nightingale," 2 and 4 p.m., Durgin Hall. Best for ages 6 and up. Tickets \$10, group discounts available. For information or tickets, call the Center for the Arts (978) 934-4444.

## Monday, March 31

**Performance, STARTS** program, "The Nightingale," performing arts for school field trips, grades 3-6, 9:30 and 11 a.m., Durgin Hall. Tickets \$5. For information and reservations, call the STARTS hotline (978) 934-4452.

**Baseball,** vs. University of New Haven, 3 p.m., LeLachur Park. For information, call (978) 934-HAWK.

## Wednesday, April 2

**Teaching with Technology Expo,** features UMass Lowell faculty and the technology they use to improve student learning, includes demos by the Faculty Teaching Center, Centers for Learning, and the Information Technology department along with Dell, Apple, and Microsoft, 10 a.m. to 2 p.m., Cumnock Hall Auditorium. For information, call Sheila Riley-Callahan (978) 934-2946.

**Symposium,** "Literature, Communication and Democracy," addressing the theory and performance of democracy in higher education. Keynote Speaker: Prof. Patrick Brantlinger, Indiana University. For information, contact (978) 934-4184 or [todd\\_avery@uml.edu](mailto:todd_avery@uml.edu). Exhibit Reception, "Momentary Monuments," digitally based photographs that capture transitory moments in public and transform them onto something timeless, 2 to 4 p.m., gallery talk at 3 p.m., University Gallery. Exhibit runs through April 30. For information, call (978) 934-3491.

**Colloquium,** Eighth Annual Colloquium on Research in Mathematics and Science Education, register before March 15, 3:15 to 6:30 p.m., Upham Hall, West Campus. For information or to register, call Regina Panasuk (978) 934-4616.

**Concert,** Faculty Performance Series, Piano Recital, featuring Prof. Thomas Stumpf, 7:30 p.m., Fisher Recital Hall. For information, call (978) 934-3850.

## Thursday, April 3

**Discussion,** "Rethinking Education for a Changing World," featuring Jane Martin, prof. of philosophy, UMass Boston, author of *Cultural Miseducation: Toward a Democratic Solution*, 12:30 to 2:30 p.m., Coburn 205. For information, call Mark Levine (978) 934-3219.

## Friday, April 4

**Baseball,** vs. Concordia, 3:30 p.m., LeLachur Park. For information, call (978) 934-HAWK. Musical, "Little Shop of Horrors," follows a down-and out floral assistant as he becomes an overnight sensation after discovering an exotic plant with a mysterious

craving for fresh blood, featuring the UML Off-Broadway Players, 8 p.m., additional shows are April 5 at 8 p.m., April 6 at 2 p.m., April 10-12 at 8 p.m., and April 13 at 2 p.m., Mahoney Auditorium. For information, call Andrea Luna (978) 970-5987.

## Sunday, April 6

**Baseball,** vs. American International, noon, LeLachur Park. For information, call (978) 934-HAWK.

**Concert,** Boston Symphony Orchestra Chamber Group, 3 p.m., Durgin Concert Hall. For information, call (617) 638-9377.

## Monday, April 7

**Lecture,** "How Privilege Systems Undermine U.S. Educational Ideals," by Dr. Peggy McIntosh, Wellesley College Center for Research on Women, 3:30 to 5 p.m., reception from 5 to 6 p.m., Mahoney Auditorium. For information, call the Council on Diversity & Pluralism (978) 934-4335.

## Tuesday, April 8

**Health Professions Career Fair,** Health care employers will be recruiting for professional health care positions, bring a resume and dress professionally, 10 a.m. to

12:30 p.m., Weed Hall. For information, contact the Office of Career Services (978) 934-2355 or visit <http://career.uml.edu>.

**Presentation,** "Enhancing Education and Research for Engineering and Sciences with LabVIEW," presented by National Instruments, features an introduction to Virtual Instrumentation with LabVIEW Software, 1 to 4 p.m., Olney 218. For information, call Bob Giles (978) 934-3779.

## Wednesday, April 9

**Performance, STARTS** program, "Jason and the Golden Fleece," performing arts for school field trips, grades 3-6, 9:30 and 11 a.m., Durgin Hall. Tickets \$5. For information and reservations, call the STARTS hotline (978) 934-4452.

**Seminar,** "A Life Styles Approach to Health Policy or a Policy Approach to Healthy Lifestyles?" presented by John McKinlay, PhD, co-founder & director, New England Research Institute, Waltham, MA, noon to 1:30 p.m. McGauvran 410, South Campus. For information, call Craig Slatin, (978) 934-3291.

**Exhibit Reception,** "Form and Content," 2 to 4 p.m., Dugan Gallery. Exhibit runs through April 30. For information, call (978) 934-3491.

*Continued on Page 9*

## Did you know...

that Cushing Field is named after Lester Cushing, a high school basketball star from Rockland, Mass.

## For Extra Credit...

What was the connection between Cushing and the University?

Lester Cushing established the first athletics program for UML predecessor, Lowell Textile, in 1911, paying for much of the equipment himself.



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